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ATTORNEY'S DOCKET NO: S01022/80518 JHM

IN THE UNITED STATES PATENT AND TRADEMARK OFFICE

Applicant: M. Isaksson, et al.
Serial No: 09/622,523
Confirmation No.:
Filed: August 18, 2000
For: VDSL

Examiner: Not Yet Assigned
Art Unit: 2682

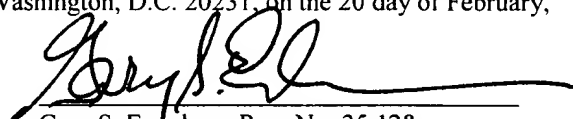
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Technology Center 2600

CERTIFICATE OF MAILING UNDER 37 C.F.R. §1.8(a)

The undersigned hereby certifies that this document is being placed in the United States mail with first-class postage attached, addressed to Commissioner for Patents, Washington, D.C. 20231, on the 20 day of February, 2002.



Gary S. Engelson, Reg. No. 35,128

Commissioner for Patents
Washington, D.C. 20231

Sir:

Transmitted herewith is a Preliminary Amendment in the above-identified application.

The fee has been calculated as shown below:

CLAIMS AS AMENDED								
	Claims Remaining After Amendment		Highest No. Previously Paid For		Present Extra		Rate	Additional Fee
TOTAL CLAIMS	32	-	20	=	12	X	\$ 18	= \$ 216.00
INDEP. CLAIMS	6	-	3	=	3	X	\$ 84	= \$ 252.00
TOTAL ADDITIONAL FEE FOR THIS AMENDMENT								= \$ 468.00

If the enclosed papers are considered incomplete, the Mail Room and/or the Application Branch is respectfully requested to contact the undersigned at (617) 720-3500, Boston, Massachusetts.

A check in the amount of \$468.00 is enclosed to cover the filing fee for additional claims. The Commissioner is hereby authorized to charge any deficit or credit any overpayment to the account of the undersigned, Deposit Account No. 23/2825. A duplicate of this sheet is enclosed.

Respectfully submitted
M. Isaksson et al., Applicants

By:



Gary S. Engelson, Reg. No. 35,128
Wolf, Greenfield & Sacks, P.C.
600 Atlantic Avenue
Boston, Massachusetts 02210-2211
Tel. No.: (617) 720-3500
Attorneys for Applicants

Docket No. S01022/80518 JHM
Date: February 20, 2002
xnddx



THE UNITED STATES PATENT AND TRADEMARK OFFICE

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Gary S. Engelson
Gary S. Engelson, Reg. No. 35,128

Commissioner for Patents
Washington, D.C. 20231

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PRELIMINARY AMENDMENT

Sir/Madam:

Prior to examination on the merits, please enter the following amendments in the above-identified application.

IN THE CLAIMS

Please rewrite the claims as shown.

Sub. Ch. (Twice Amended) A telecommunications transmission system having at least two VDSL systems, each comprising a pair of modems, said at least two VDSL systems belonging to a binder group common to the at least two VDSL systems, wherein

- a transmitter in a first modem in the pair of modems including
 - a extension means (P/S) for cyclic extension of a DMT-symbol by way of adding a prefix or a suffix,
 - a pulse shaper means, adapted to pulse shape sidelobes of a cyclic extended DMT-symbol, and further
- a receiver in a second modem in the pair of modems including
 - windowing means adapted to multiplying μ samples at the beginning and end of a block of $2N+\mu$ samples; folding and adding $\mu/2$ samples from the

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02 FC:103

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